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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re United States Patent Application of:**

**Applicants: GAO, Zhiqiang, et al.**

**Application No.: 10/577,293**

**Date Filed: April 29, 2006**

**Title: METHOD FOR DETECTING  
ANALYTES BY MEANS OF  
AN ANALYTE/POLYMERIC  
ACTIVATOR BILAYER  
ARRANGEMENT**

**Docket No.: 4276-103**

**Conf. No.: 8043**

**Art Unit:**

**Examiner: Not Yet Assigned**

**Customer No.:**

**23448**

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I hereby certify that I am mailing the attached documents to the  
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Kate Pope

**November 7, 2006**

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Date of Mailing

**INFORMATION DISCLOSURE STATEMENT IN  
U.S. PATENT APPLICATION NO. 10/577,293**

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Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO/SB/08A. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,



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Steven J. Hultquist  
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Attorney for Applicants

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Attorney File No.: 4276-103

**Enclosures:**

**IDS Forms [ 3 pg(s).]**

**Non-Patent References [ 86 pgs.]**

**Return Postcard [1 pg.]**

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<div>Substitute for form 1449A/PTO</div> <div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div>(Use as many sheets as necessary)</div>				<b>Complete if Known</b>	
				Application Number	10/577,293
				Filing Date	4/29/2006
				First Named Inventor	Gao et al.
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	3	Attorney Docket Number	4276-103

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	AA	US- 6,264,825 - B1	07-24-2001	Blackburn, Gary, et al.	
	AB	US- 6,232,062 - B1	05-15-2001	Kayyem, Jon Faiz, et al.	
	AC	US- 6,479,240 - B1	11-12-2002	Kayyem, Jon F., et al.	
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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			Examiner Name	Not Yet Assigned	
Sheet	2	of	3	Attorney Docket Number	4276-103

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AG	BAKKER, ERIC, ET AL., Electrochemical sensors, Anal. Chem., June 15, 2002, Page(s) 2781-2800, Volume 74, Number 12	
	AH	BESTE, GERALD, ET AL., Small antibody-like proteins with prescribed ligand specificities derived from the lipocalin fold, Proc. Natl. Acad. Sci. USA, March 2, 1999, Page(s) 1898-1903, Volume 96, Number 5	
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	AN	PARK, SO-JUNG, ET AL., Array-Based Electrical Detection of DNA with Nanoparticle Probes, Science, February 22, 2003, Page(s) 1503-1506, Volume 295, Number 5559	
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Sheet	3	of	3	Attorney Docket Number	4276-103

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	AQ	XIE, HONG, ET AL., Amperometric Detection of Nucleic Acid at Femtomolar Levels with a Nucleic Acid/Electrochemical Activator Bilayer on Gol, Anal. Chem., March 2004, Page(s) 1611-1617, Volume 76, Number 6	
	AR	ZEMAN, STEVEN M., ET AL., Characterization of covalent Adriamycin-DNA adducts, Proc. Natl. Acad. Sci. USA, September 29, 1998, Page(s) 11561-11565, Volume 95, Number 20	
	AS	ZHANG, YONGCHAO, ET AL., Enzyme-Amplified Amperometric Detection of 3000 Copies of DNA in a 10-L Droplet at 0.5 fM Concentration, Anal. Chem., July 1, 2003, Page(s) 3267-3269, Volume 75, Number 13	
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